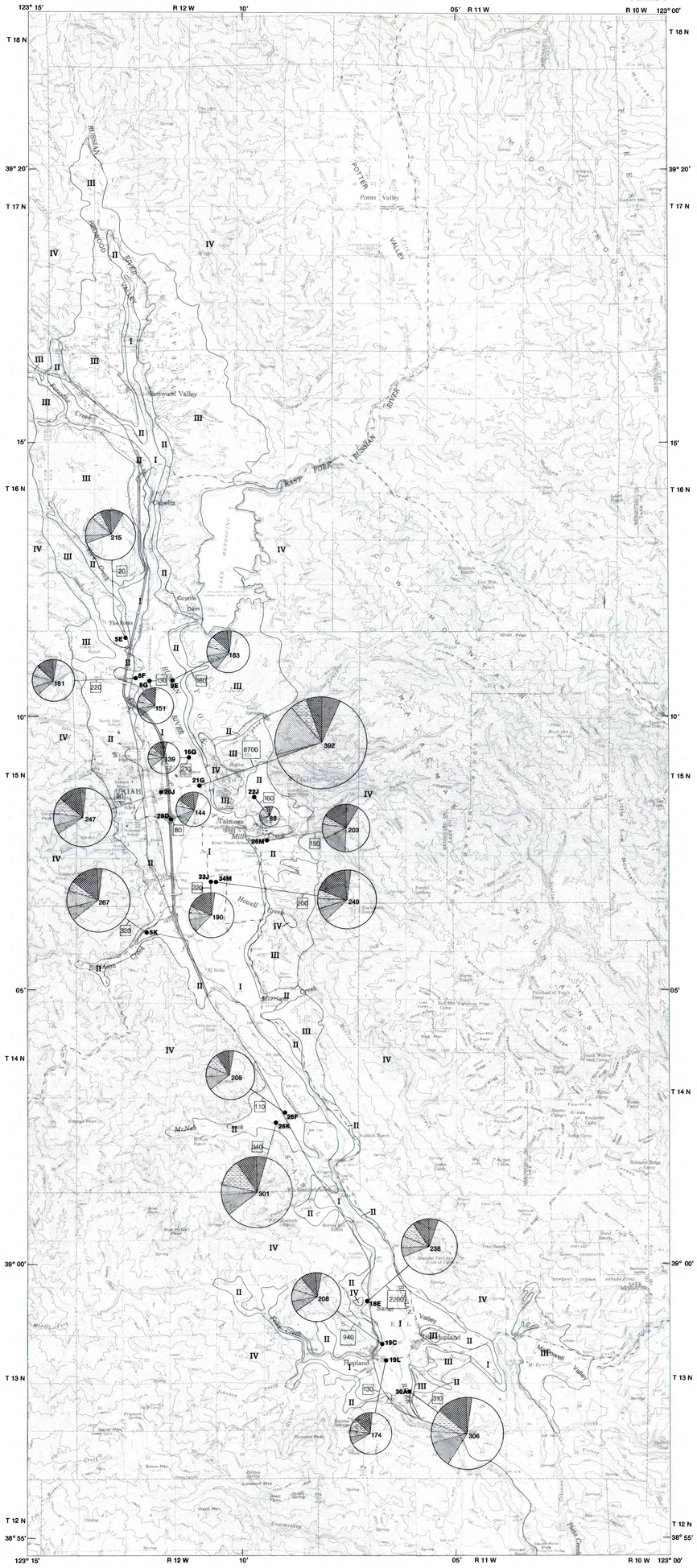
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
CALIFORNIA DEPARTMENT OF WATER RESOURCES
AND MENDOCINO COUNTY

WATER-RESOURCES INVESTIGATIONS
REPORT 85-4258
PLATE 2



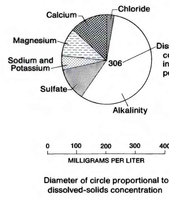
EXPLANATION

19L WELL AND NUMBER

BORON CONCENTRATION—in micrograms per liter. Number indicates specific concentration

90	0-500
940	501-1000
8700	> 1000

CHEMICAL-QUALITY DIAGRAM



Diameter of circle proportional to dissolved-solids concentration

GROUND-WATER AVAILABILITY

MAP SYMBOL	GROUND WATER AVAILABILITY	WATER-BEARING UNITS
I	Ground water generally abundant. Production rate and supply sufficient for agricultural, industrial, municipal, and domestic uses.	All coarse-grained consolidated deposits of valley fill where thick and saturated. Any areas reported to have high-capacity wells.
II	Ground water generally available year-round at low production rates. Generally sufficient supply for domestic use; may provide adequate supply for irrigation or industrial use.	Margins of valley fill where partially saturated year-round, or areas where production is proven.
III	Ground water generally present, but production rates are extremely limited or ground water is only seasonally available; may provide sufficient supply for domestic use.	Areas where valley fill is thin, very fine grained, or cemented or areas where water table seasonally drops below the fill. Includes some areas of shallow ground water, bu very low permeability.
IV	Ground water generally not available in significant quantities. Where available, the occurrence is restricted to small areas lithologically or structurally favorable; may provide adequate supply for livestock or domestic use.	Franciscan Complex rocks comprising the mountainous terrain. Rocks are very fine grained or cemented.

AVAILABILITY AND CHEMICAL QUALITY OF GROUND WATER IN UKIAH VALLEY, MENDOCINO COUNTY, CALIFORNIA